

Daily Analysis Runlog For Sequence/QC Batch ID # LB92670

Review By		Review On				
SubDirectory		LB92670		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP61043,WP61044,WP61045,WP61046,WP61047,WP61048,WP61049				
ICV Standard		WP61051				
CCV Standard		WP61050				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP61052,WP59958,WP60878				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	01/17/18 13:30		OK
2	5.0PPBCN	5.0PPBCN	CAL2	01/17/18 13:30		OK
3	10PPBCN	10PPBCN	CAL3	01/17/18 13:30		OK
4	50PPBCN	50PPBCN	CAL4	01/17/18 13:30		OK
5	100PPBCN	100PPBCN	CAL5	01/17/18 13:30		OK
6	250PPBCN	250PPBCN	CAL6	01/17/18 13:30		OK
7	500PPBCN	500PPBCN	CAL7	01/17/18 13:30		OK
8	ICV1	ICV1	ICV	01/17/18 15:12		OK
9	ICB1	ICB1	ICB	01/17/18 15:12		OK
10	CCV1	CCV1	CCV	01/17/18 15:12		OK
11	CCB1	CCB1	CCB	01/17/18 15:12		OK
12	PB105725BL	PB105725BL	MB	01/17/18 15:12		OK
13	J1021-02	SA-01-011618	SAM	01/17/18 15:12		OK
14	J1021-02DUP	SA-01-011618DUP	DUP	01/17/18 15:12		OK
15	J1151-03	OIL-GRAVEL	SAM	01/17/18 15:19		OK
16	J1154-03	RT-1867-3407-4235	SAM	01/17/18 15:19		OK
17	J1156-04	SP-COMP	SAM	01/17/18 15:19		OK
18	J1156-13	OILY-STONES	SAM	01/17/18 15:19		OK
19	J1158-01	OWS-1	SAM	01/17/18 15:19		OK
20	J1158-02	OWS-2	SAM	01/17/18 15:19		OK
21	CCV2	CCV2	CCV	01/17/18 15:19		OK

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

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ICAL Standard		WP61043,WP61044,WP61045,WP61046,WP61047,WP61048,WP61049				
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CCV Standard		WP61050				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP61052,WP59958,WP60878				

22	CCB2	CCB2	CCB	01/17/18 15:19		OK
23	J1158-04	OWS-4	SAM	01/17/18 15:19		OK
24	J1158-05	OWS-5	SAM	01/17/18 15:19		OK
25	J1159-01	FD-1	SAM	01/17/18 15:25		OK
26	J1163-06	TP-1-(0-4)	SAM	01/17/18 15:26		OK
27	J1163-12	TP-2-(0-4)	SAM	01/17/18 15:26		OK
28	J1167-02	RO-72-11995	SAM	01/17/18 15:26		OK
29	J1167-04	RO-72-12000	SAM	01/17/18 15:26		OK
30	J1167-06	DRUM-1-2	SAM	01/17/18 15:26		OK
31	J1158-03	OWS-3	SAM	01/17/18 15:34		OK
32	CCV3	CCV3	CCV	01/17/18 15:36		OK
33	CCB3	CCB3	CCB	01/17/18 15:36		OK



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB92670	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	SA-01-011618	SDG No.:	LB92670
Lab Sample ID:	J1021-02	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0042	U	1	0.025		0.05	mg/Kg	01/17/2018	01/17/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB92670	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	OIL-GRAVEL	SDG No.:	LB92670
Lab Sample ID:	J1151-03	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.004	U	1	0.025		0.05	mg/Kg	01/17/2018	01/17/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB92670	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	RT-1867-3407-4235	SDG No.:	LB92670
Lab Sample ID:	J1154-03	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0036	U	1	0.025		0.05	mg/Kg	01/17/2018	01/17/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB92670	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	SP-COMP	SDG No.:	LB92670
Lab Sample ID:	J1156-04	Matrix:	Solid
Level (low/med):	low	% Solid:	95.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0036	U	1	0.025		0.05	mg/Kg	01/17/2018	01/17/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB92670	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	OILY-STONES	SDG No.:	LB92670
Lab Sample ID:	J1156-13	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0043	U	1	0.025		0.05	mg/Kg	01/17/2018	01/17/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/12/2018 12:00:00 AM
Project:	LB92670	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	OWS-1	SDG No.:	LB92670
Lab Sample ID:	J1158-01	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0041	U	1	0.025		0.05	mg/Kg	01/17/2018	01/17/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/12/2018 12:00:00 AM
Project:	LB92670	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	OWS-2	SDG No.:	LB92670
Lab Sample ID:	J1158-02	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0028	U	1	0.025		0.05	mg/Kg	01/17/2018	01/17/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/12/2018 12:00:00 AM
Project:	LB92670	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	OWS-3	SDG No.:	LB92670
Lab Sample ID:	J1158-03	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.004	U	1	0.025		0.05	mg/Kg	01/17/2018	01/17/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/12/2018 12:00:00 AM
Project:	LB92670	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	OWS-4	SDG No.:	LB92670
Lab Sample ID:	J1158-04	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0041	U	1	0.025		0.05	mg/Kg	01/17/2018	01/17/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/12/2018 12:00:00 AM
Project:	LB92670	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	OWS-5	SDG No.:	LB92670
Lab Sample ID:	J1158-05	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0041	U	1	0.025		0.05	mg/Kg	01/17/2018	01/17/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/12/2018 12:00:00 AM
Project:	LB92670	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	FD-1	SDG No.:	LB92670
Lab Sample ID:	J1159-01	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0046	U	1	0.025		0.05	mg/Kg	01/17/2018	01/17/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB92670	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	TP-1-(0-4)	SDG No.:	LB92670
Lab Sample ID:	J1163-06	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0034	U	1	0.025		0.05	mg/Kg	01/17/2018	01/17/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB92670	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	TP-2-(0-4)	SDG No.:	LB92670
Lab Sample ID:	J1163-12	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0055	U	1	0.025		0.05	mg/Kg	01/17/2018	01/17/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB92670	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	RO-72-11995	SDG No.:	LB92670
Lab Sample ID:	J1167-02	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0053	U	1	0.025		0.05	mg/Kg	01/17/2018	01/17/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB92670	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	RO-72-12000	SDG No.:	LB92670
Lab Sample ID:	J1167-04	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0035	U	1	0.025		0.05	mg/Kg	01/17/2018	01/17/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB92670	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	DRUM-1-2	SDG No.:	LB92670
Lab Sample ID:	J1167-06	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0042	U	1	0.025		0.05	mg/Kg	01/17/2018	01/17/2018	9012B



Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB92670	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	DRUM-1-2	SDG No.:	LB92670
Lab Sample ID:	J1167-06	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92670

SDG No.: LB92670

Contract: _____ Lab Code: CHEM

Case No.: LB92670

SAS No.: LB92670

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV1	Reactive Cyanide	0.24	0.25	96	0	90 - 110		01/17/2018	15:12	LB92670
CCV2	Reactive Cyanide	0.25	0.25	100	0	90 - 110		01/17/2018	15:19	LB92670
CCV3	Reactive Cyanide	0.25	0.25	100	0	90 - 110		01/17/2018	15:36	LB92670



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92670 **SDG No.:** LB92670
Contract: **Lab Code:** CHEM **Case No.:** LB92670 **SAS No.:** LB92670

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	0	+/-0.005	U		0.005		01/17/2018	15:12	LB92670

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	-0	+/-0.005	U		0.005		01/17/2018	15:12	LB92670
CCB2	Reactive Cyanide	-0	+/-0.005	U		0.005		01/17/2018	15:19	LB92670
CCB3	Reactive Cyanide	-0.00015	+/-0.005	U		0.005		01/17/2018	15:36	LB92670



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92670

SDG No.: LB92670

Contract: Lab Code: CHEM

Case No.: LB92670

SAS No.: LB92670

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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GENCHEM
- 3b -
PREPARATION BLANK SUMMARY

Client: LB92670

SDG No.: LB92670

Instrument: Konelab 20

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB105725BL	Reactive Cyanide	SOLID -0.0021	<0.05	Batch Number: U		PB105725 0.05		Prep Date: 01/17/2018	01/17/2018 15:12	LB92670

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB92670 **Level:** LOW **SDG No.:** LB92670
Contract: **Lab Code:** CHEM **Case No.:** LB92670 **SAS No.:** LB92670
Matrix: Solid **Sample ID:** J1021-02 **Client ID:** SA-01-011618DUP
Percent Solids for Sample: 100 **Duplicate ID** J1021-02DUP **Percent Solids for Spike Sample:** 100

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Reactive Cyanide	mg/Kg	20	0.025	U	-0.0043	U			